

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018004

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ D01F6/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ D01F6/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 7-3524 A (Industrial Technology Research Institute), 06 January, 1995 (06.01.95), Claims; Par. Nos. [0015] to [0023]; examples & US 5342567 A	1-9
A	JP 7-501859 A (Allied Signal Inc.), 23 February, 1995 (23.02.95), Claims; examples & WO 1993/012276 A1 & US 5230854 A & EP 616651 A1	1-9
A	JP 3-137215 A (Toray Industries, Inc.), 11 June, 1991 (11.06.91), Claims; examples (Family: none)	1-9

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

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"&" document member of the same patent family

Date of the actual completion of the international search
18 February, 2005 (18.02.05)

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15 March, 2005 (15.03.05)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2001/012885 A1 (Toyobo Co., Ltd.), 22 February, 2001 (22.02.01), Claims; examples & EP 1126052 A1 & US 6605348 B1	1-9
A	JP 2001-73224 A (Toyobo Co., Ltd.), 21 March, 2001 (21.03.01), Claims; examples (Family: none)	1-9